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feel the difference



M-100
User Manual

www.microlab.cn
Microlab Electronics Co.,Ltd
Made in China

Multimedia Speaker System



Caution:

To reduce the risk of electric shock, do not dismantle the product and do not expose the apparatus to rain or moisture. No user-serviceable parts inside. Refer servicing to qualified personnel only.

Explanation of Graphical Symbols:



The lightning flash within an equilateral triangle is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute an electric shock to a person or persons.



The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNINGS:

1. Read Instructions - All the safety and operating instructions must be read before the product is operated.
2. Retain Instructions - The safety and operating instructions should be kept with the product for future reference.
3. Heed warnings - All warnings on the product and in the operating instructions should be adhered to.
4. Follow instructions - All operating and user instructions should be followed.
5. Installation - Install in accordance with the manufacturer's instructions.
6. Power sources - This product should be operated only from the type of power source indicated by the marking adjacent to the power cord entry. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.
7. Grounding or polarisation - the product is not required to be grounded. Ensure the plug is fully inserted into the wall outlet or extension cord receptacle to prevent blade or pin exposure. Some versions of the product are equipped with a power cord fitted with a polarized alternating line plug (a plug having one blade wide than the other). This plug will fit onto the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarised plug. When using an extension power-supply cord or a power-supply cord other than that supplied with the appliance, it should be fitted with the appropriate molded plugs and carry safety approval appropriate to the country of use.
8. Power cord protection - Power-supply cords should be routed so that they are not likely to be walked on, kinked or pinched by items placed on or against them, paying particular attention to cords from plugs, receptacles and the point where they exit from the appliance.
9. Overloading - Do not overload wall outlets, extension cords or multiple sockets, as this can result in a risk of fire or electric shock.
10. Ventilation - The product must be properly ventilated. Do not place the product on a bed, sofa, or other similar surface. Do not cover the product with any items such as tablecloths, newspapers, etc.
11. Heat - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products) including amplifiers that produce heat. No naked flame sources, such as lighted candles, should be placed on the apparatus.
12. Water and moisture - To reduce the risk of fire or electric shock, do not expose the product to rain, dripping, splashing or excessive moisture such as in a sauna or bathroom. Do not use this product near water, for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool and the likes.
13. Object and Liquid Entry - Never push objects of any kind into this product through openings, as they may touch dangerous voltage points or short-circuit parts that could result in a fire or electric shock. Never spill liquid of any kind on the product. Do not place any object containing liquid on top of the product.
14. Cleaning - Unplug the product from the wall outlet before cleaning. The cabinet of the subwoofer may be cleaned by dusting with a dry cloth. If you wish to use an aerosol cleaning spray, do not spray directly on the cabinet; spray onto the cloth. Be careful not to damage the drive units.
15. Attachments - Do not use attachments not recommended by the product manufactures, as they may cause hazards.
16. Accessories - Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. Any mounting of the product should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.
17. Moving the product - A product and cart combination should be moved with care. Quick stops, excessive force and uneven surfaces may cause the product and cart combination to overturn.
18. Un-use periods - The power cord of the appliance should be unplugged from the outlet during lightning storms or when



Frequently Asked Questions	Answers
Power LED won't light up	Check if the system is powered on
	Check the power plug is well connected
No Sound	Check if the audio source is working well
	Check if the audio and speaker cables well connected
	Check if the volume at right level
One or more satellite no sound	Check if the satellite cable well connected
Static sound heard when volume knob is turned	Turn off the playback source first, then turn the speaker volume knob several times. Playback again and monitor. The static noise is due to dust, so simply turning the volume will remove it easily.
What are the products supported?	Any playback devices such as PC, Media Players with 3.5mm stereo plug.
Sound is distorted	Check if the volume at lower level
Where to place this speaker	It is magnetically shielded so can be placed near LCD TV Monitor without any distortion
If the problem still exists, please contact the distributor or ask for professional service	

The end

AMPLIFIER

Total Power:	10 Watt RMS
Power distribution:	2.5 Watt x 2 + 5 Watt
Harmonic distortion:	< 0.3% 1 W 1 kHz
Frequency response:	40 Hz - 18 kHz
Signal/Noise ratio:	> 70 dB
Separation:	> 45 dB

Speakers

Tweeter driver type:	2.5" x 2
Tweeter rated power:	3 Watt 4 ohm
Bass driver type:	4"
Bass rated power:	5 Watt 8 ohm
Frequency range:	40 Hz - 18 kHz

Interfaces

Output:	2RCA sockets
Input:	3.5mm stereo jack

Power

Power supply:	AC 100 V - 240V, 50 / 60 Hz
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the apparatus is left unused for a long period of time.

19. Servicing - Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
20. Please remove the power plug form the main power source or wall power source when not in use. When plugged in to a power source, the system is in standby mode, so the power is not entirely cut off.
21. Replacement parts - When replacement parts are required, ensure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
22. Mains fuses - For continued protection against fire hazard, use fuses only of the correct type and rating. The correct fuse specification for each voltage range is marked on the product.
23. Do not turn up the volume while listening to a section with very low level inputs or no audio signals. If you do, the speaker may be damaged when a peak level section is suddenly played.
24. The only means of completely disconnecting the product from the power supply is by removing the power cord from the wall outlet or the product. The wall outlet or the power cord entry to the product must remain freely accessible at all times while the product is in use.
25. Try to install the product near a wall socket or extension cord and shall be easily accessible.
26. The highest environmental temperature suitable for this product is 40°C.

A great product for most of your listening needs, this 2.1 speaker system brings you full audio range playback. Featuring a woofer cabinet for strong bass and compact satellites for clear highs. Ideal for multimedia entertainment use in study room, bedroom or kitchen.

Built with quality drivers to enhance your home theater and music experience with better sound and effects. Unique side controls for easy adjustments.

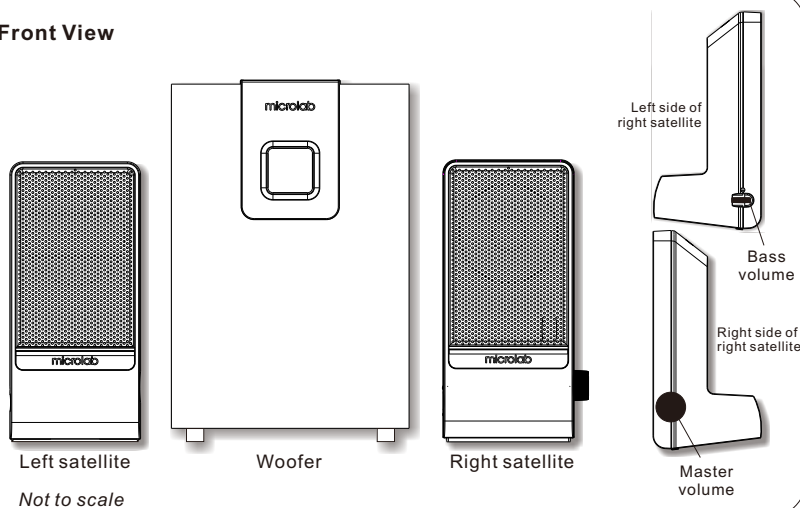
Features

- Quality 2.1 speaker system with built-in amplifier
- 10 Watt of acoustic power with 4" woofer and 2 x 2.5" satellites.
- Full audio spectrum performances, ideal for your favourite entertainment from Mp3, Mp4, CD/DVD movies and digital playbacks
- Specially designed woofer cabinet for bass and resolution
- Comes with 3.5mm stereo connection
- Magnetically shielded satellites for interference-free positioning near TV or LCD monitors

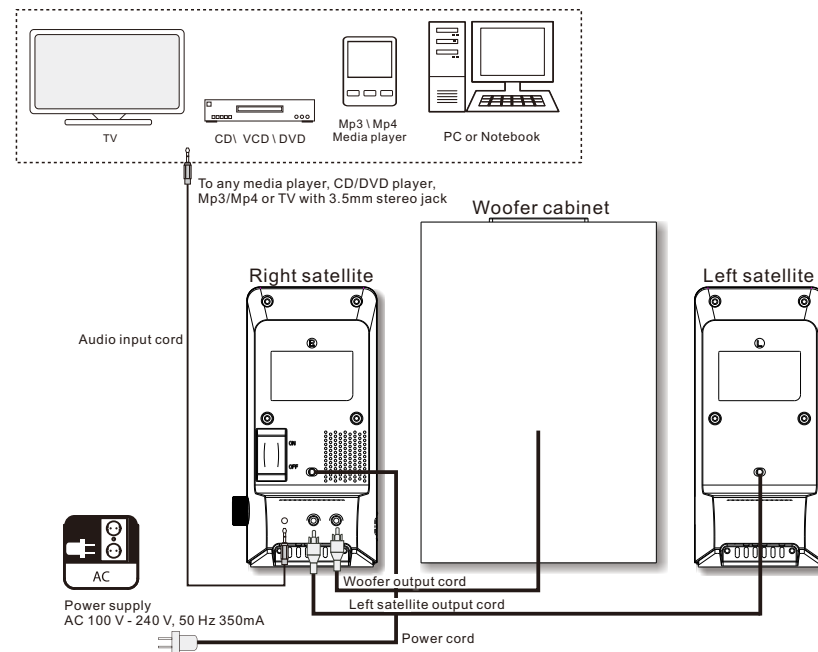
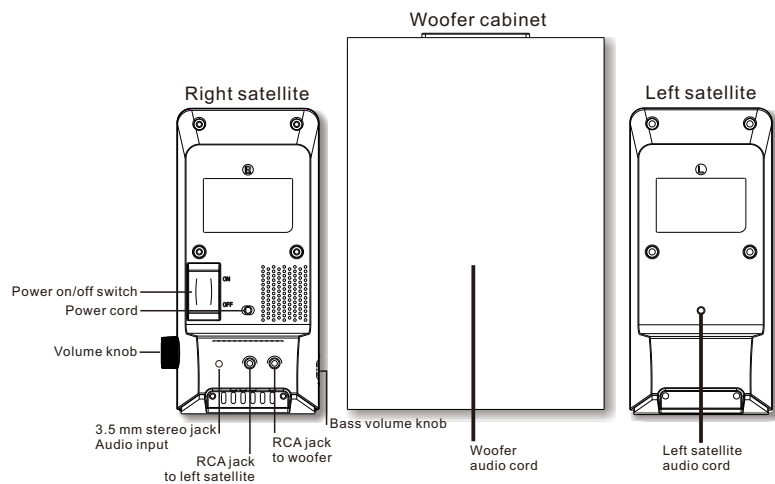
Package contents

Woofer cabinet	1 pc
Satellite speakers	2 pcs
3.5mm - 3.5mm audio cable	1 pc
User manual	1 pc

Front View



Rear View



Installation:

Precaution: Prior to connecting the speakers, ensure the AC power plug is removed from the AC source. Secondly, ensure the volume knob is set to zero.

1. Connect the left satellite speaker cable to the audio output (Left) at the rear panel of the right satellite. Next, connect the woofer cabinet's speaker cable to the audio output (Woofer).
2. Next, connect the playback source (Media player, VCD, DVD, or CD player) to the 3.5mm stereo jack (INPUT) at the back of the right satellite speaker. The 3.5mm - 3.5mm stereo cable is provided with the package.
3. Last, connect the AC power cord to the AC power supply source. Please always ensure the AC power ratings printed on the rear panel of the satellite match with your country's AC power supply ratings. If they do not match, please do not connect or turn ON the power. This will damage the speaker system.

Operation:

1. Plug the AC power plug to the wall AC source or any AC power distribution sockets.
2. Ensure the volume level is lowered to zero.
3. Turn on the power switch located at the rear panel of the right satellite.
4. Start the media player and its playback audio.
5. Slowly increase the volume level to your preferred level. The volume knob is located at the side to the right satellite.
6. For sound effect, you can adjust the bass volume level at the side panel of the right satellite to your preferred level.

Both master and bass volume knobs are located at the sides of the right satellite. Note: Never listen to loud music for prolong period as it might affect your hearings.